

## Infections

### \* Bacterial

- Normal flora of skin

- SSSS → no organism, sterile bullae

### Toxins

- follicular occlusion tract & tetrad

- Drug of choice for Hidradenitis suppurativa

→ Isotretinoin

- cause of death in H. suppurativa & dissecting cellulitis → 2ry amyloidosis of kidney → Renal failure

- diseases caused by cony neform bacteria

- pitted Keratolysis, associated é Hyperhidrosis

- SSSS → superficial layer

- TEN → basal layer



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## \* Mycobacterial

- organism of T.B
- Lupus vulgaris: apple jelly nodules  
→ premalignant lesion → may turn SCC
- Treatment of T.B
- Erythema induratum of Bazin

- organism of leprosy
- WHO classification of leprosy

- Diseases with island of normal skin

- 1- mid borderline leprosy
- 2- MF
- 3- PRP

\* اسرّية في الارتفاع من nerve affection

Temperature → fine touch → crude touch → pain



③

+ Reactions of leprosy

1. 2. 3. 4. 5.

• PF

- Types

• eff m

• Multidrug therapy m



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## \* parasitic:

- leishmaniasis: موجوده في سيناء sand fly بنقل

• classification

• HP

• tt: cytarabine, Ketoconazole, pentavalent antimonials

## \* scabies:

- female mite

stratum corneum موجوده فيه

2-3 d تبقيه كام بيضه في اليوم

larva → mature need 7 days

- عتاشه كده بنذكر العلاج بعد ٧ أيام

- فيه الهرش يزيه بالليل أكثر

1 - Burrows at night يتحفر بالليل

2 - warmth الصبايه لما يهضم ويتخطى الهرش يزيه

\* تتاكل فيه : Keratin



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\* Norwegian scabies

millions of mites

drug of choice Ivermectin

- sites of scabies are

webs

أماكن تظهر فيها الحشرات

- causes of persistent itching following  
successful ttt of scabies

are

- post-scabetic nodules:

Hypersensitivity reaction, no organism  
ttt corticosteroids



## ⑤ تقنيات العلاج

١- العلاج يستحسن عليه ضئله عتانه فتح Burrow

\* في القرن ٢٠ Burrow و furrow

furrow is denoted Burrow

سحب كل يوم عليه ضئله ، ٤ اول يوم ليس ؟

اول يوم ليس عتانه هو خلاص فتح Burrow

٢- يحط العلاج على حبه كله صاعدا الرأس والرقبة . ليه ؟؟

scabies spares face

except in children (atypical presentation)

other diseases sparing face ?

1- lichen planus (apart from active lichen)

2- Mastocytosis

3- parapsoriasis

4- P. rosea

5- psoriasis







Ivermectin : 250 - 400 µg/kg

action ?

قرص لكل ٢٠ كجم

Contraindications ?

بعد اقصى ٢٤ قرص

\* Mites in dermatology ?

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## + Fungal

- Hyphae & pseudohyphae
- Dimorphic fungi
- classification of fungal infection
- dermatophytes

- KOH

artifact. Thread      لو عینکے ساتھ اسے سری  
قرنہ لائی؟؟

Thread is opaque not translucent

+ KOH in dermatology?

- Wood's light?

wood's light کے ساتھ سے کچھ  
نکالے گا

1- no fluorescence fungi (T.)

2- error

violaceum



## \* persistent alopecia areata

- 1- immunosuppression
- 2- AIDS
- 3- systemic steroids
- 4- Cushing's &
- 5- atopic

## Tinea capitis: ar

- pattern of hair invasion
- clinical variants

§ 88, also Tinea capitis x

If Anthrophilic (Human to Human) also

If Zoophilic (animal to Human) - also no

## \* Kerion & furuncles → scar

§ abscess & Kerion في الفرو

other diseases heal with scar ?? 7

(DLE - Ecthyma - EB - LV - PCT) =



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§ adults في فيلس Tinea capitis أو

sebaceous gland starts to function at  
puberty → sebum → antimicrobial  
function

§ أول خ

Griseofulvin ?

dermatophytes only

يتأثر مع كوب لب أو زيت

absorption is enhanced by fatty-diet

12-5 mg/kg كم بعد الفطار

§ anticoagulant و بإيه Tinea أيه خ

Griseofulvin ↓ anti-coagulant effect of warfarin

نزول الجرى باعت anti-coagulant



Tinea cruris      تفرس  
& candidiasis ?

Tinea cruris spares scrotal skin

+ Id reaction ?      m

+ onychomycosis ?      m

types - tt

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+ pityriasis versicolor ✓      سوي  
or Tinea versicolor

dermatophytes

- wood's light → yellow

- Koff → spaghetti & meat ball



\* Malassezia furfur → lipophilic  
seborrheic distribution (في الجلد الدهني)

\* Dermatophytes → keratinophilic  
Keratin (كيراتين)  
use Keratin as nutrient  
produce Keratinase → allow invasion

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\* PV → not infectious

§ Hypo - hyperpigmentation (تغير لون الجلد)

- Piedra? (تفحط الشعر)



\* antifungal *or*

- castellanis paint سب سے بہتر

{ - Griseofulvin (fatty) فاس کے لیے  
- Ketoconazole (acidic) اس کے لیے بہتر

\* Terbinafine

- Topical: Broad spectrum

- Systemic: dermatophytes only

\* The only fungicidal: Terbinafine

- Mechanism of action of antifungals *is*



\* Drug of choice :

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- Tinea capitis : griseofulvin

- Tinea corporis

- Tinea cruris } Allylamine

- P.V.C : Itraconazole - Fluconazole

- V.V.C : Fluconazole

- Tinea pedis : Itraconazole

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\* pulse therapy :

1) Tinea capitis :

Itraconazole : 5mg / Kg / d  $\rightarrow$  1 week

2 week no drug , 1 week with drug

2) Onychomycosis :

intermittent pulse : Itraconazole 200mg Twice / d

7 days of each month 3-4 month



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sequential pulse therapy:

2 pulses of itraconazole

(200 Twice → 1 week of month)

1-2 pulses of terbinafine

(250 Twice → 1 week of month)



\* viral

H.S.

Tzanck smear: epithelial giant cells

\* Attention other giant cells in dermatology?

1. Totip
2. Foreign body
3. Langhans
4. Reed Sternberg
5. multinucleated epidermal
6. Balloon cells
7. Giant nevus cells.

- primary & recurrent H.S.

- variants:

post-herpetic EM or

- Kaposi's varicelliform eruptions





dendritic corneal ulcerations

recurrences or

lypudone G & H

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\* HZ

unilateral

If bilateral → AIDS

+ Mentions other strict unilateral dermatosis?

1- Zosteriform LP

2- Nevus unius lateralis

3- lymphangioma circumscriptum

4- segmental vitiligo

5- Becker's melanosis

6- Nevus of Ito & Ota

7- Zosteriform lentiginous nevus





PHN WSS

- tet  $\frac{1}{2}$  m  
antiviral pr

HZ also cells, immunocompromised ~ like \*

VZIG (125V/10Kg)

within 96 h. of exposure

\* فضل میر، ص ۷۷ ← HZ نکات ص ۷۷

Intrauterine infecții e varicella virus

\* واحد کبر و حاله HZ و مصالحه و معوضه POX chicken

subclinical infection of NGV also

\* واسطہ حاصل وعائز آنا کو حالت *varicella infecta*، ۸۸

IgM Jas.





\* HPV:

oncogenic : 16-18

- clinical variants no

- condyloma acuminata e lata الفرو

- etc no

podophyllin 20% by the doctor

podophyllotoxin 0.5% by the PT

1x2x3

- Imiquimod 5% (aldara)

3 times / week

wash after 6-10 hr

upto 16 weeks

- HPV vaccines in no

- Gardasil

- Cervarix





\* MC : diagnosis , it

\* Hand , foot & mouth disease